Notice of Allowability 10/713,198		Application No.	Applicant(s)
The MAILING DATE of this communication appears on the cover sheet with the correspondence address-all claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Information and the mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initial of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. 1. ☑ This communication is responsive to 12/15/2004. 2. ☑ The allowed claim(s) is/are 1-13. 3. ☑ The drawings filed on 21 November 2003 are accepted by the Examiner. 4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ II ☐ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). **Certified copies not received: ☐ Application Survey (PCT Rule 17.2(a)). **Certified copies on treceived: ☐ Application Survey (PCT Rule 17.2(a)). **Certified copies on treceived: ☐ ASANDONHENT of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE MONTH PERIOD IS NOT EXTENDABLE. 5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. 5. ☐ CORRECTED DRAWINGS (as 'replacement sheets') must be submitted. (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached 1) ☐ hereto or 2 ☐ to Paper No Mail Date ☐ 10 Paper	Notice of Allowability		·
All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included networks of the proviously mailed in, a Notice of Notiowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initia of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308. 1. A This communication is responsive to 12/15/2004. 2. The allowed claim(s) is/are 1-13. 3. The drawings filed on 21 November 2003 are accepted by the Examiner. 4. Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). 3. Octified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)). **Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDOMMENT of this application. **THIS THREE MONTH PERIOD IS NOT EXTENDABLE.** 5. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF "INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient. 5. CORRECTED DRAWINGS (a "replacement sheets") must be submitted. (a) including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date		Steven H. Rao	2814
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Art Unit: 2814

Response to Amendment

Applicants' amendment filed on November 22, 2004 has been entered on December 15, 2004 >

Therefore claims 1-11 as recited in the amendment and claims 12-13 as previously allowed are currently pending in the Application.

Claims 14-20 were previously cancelled.

Allowable Subject Matter

Claims 1-11 and 12-13 are allowed.

The following is an examiner's statement of reasons for allowance:

The prior art taken either singularly or in combination fails to anticipate or fairly suggest the limitation of the dependent claims, in such manner that a rejection under 35 U.S.C. 102 or 103 would be proper. The prior art fails to teach a combination of all the claimed features as presented in independent claims, which include a method for forming a semiconductor device including the steps of forming a trench isoaltion structure and an active region proximate an outer surface of a semi conductor layer, depositing an epitaxial layer outwardly from the trench isolation structure, growing a first insulator outwardly from the epitaxial layer, growing a second insulator layer outwardly from the first insulator layer, forming a gate stack outwardly from the epitaxial layer, the stack comprising a portion of the first insulator layer, a portion of the second insulator layer and a gate having a wide and narrow region and heating the epitaxial layer to a temperature sufficient to allow for the epitaxial layer to form a source/drain implant region in the active region.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably

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accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Steven H. Rao whose telephone number is (571) 272-1718. The examiner can normally be reached on 8.00 to 5.00.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Steven H. Rao

Patent Examiner

Feb.02, 2005.

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